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**REMARKS**

In the Office Action mailed on June 16, 2004, the Examiner: (1) objected to the Specification because of informalities; (2) rejected claims 15 and 16 under 35 U.S.C. § 101; (3) rejected claims 1, 4, 9, 10, 12-15, 17, 18, and 20 under 35 U.S.C. 103(a) as being anticipated by Goertzel et al. (U.S. Patent No. 6,308,273) (Goertzel); (4) rejected claim 2 under 35 U.S.C. § 103(a) as being unpatentable over Goertzel in view of International Publication Number WO-98/57464 (WO-98/57464); (5) rejected claims 7 and 8 under 35 U.S.C. § 103(a) as being unpatentable over Goertzel in view of Fabbio (U.S. Patent No. 5,335,346); (6) rejected claims 3, 11, 16, and 19 under 35 U.S.C. § 103(a) as being unpatentable over Goertzel in view of Agranat et al. (U.S. Patent No. 5,519,833) (Agranat); (7) rejected claim 5 under 35 U.S.C. § 103(a) as being unpatentable over Goertzel in view of Gasser et al. (U.S. Patent No. 5,220,604) (Gasser); and (8) rejected claim 6 under 35 U.S.C. § 103(a) as being unpatentable over the combination of Goertzel and Gasser, and further in view of Agrawal et al. (U.S. Patent No. 4,825,354) (Agrawal).

Applicants' representative thanks the Examiner for granting the in-person Interview, which was held on September 8, 2004.

Applicants have not received copies of the PTO-1449 form for the information disclosure statements filed on August 8, 2003, November 5, 2003, December 24, 2003, April 6, 2004, and May 27, 2004. Applicants respectfully request that the Examiner consider the documents listed on these PTO-1449 forms and indicate so on the forms. For the convenience of the Examiner, Applicants provide additional copies of these information disclosure statements, PTO-1449 forms, and stamped return post cards. If

the Examiner needs copies of the documents, Applicants will gladly provide another set of copies.

Applicants have amended pages 1 and 2 of the Specification to update the references to other U.S. patent applications, as required by the Examiner.

Further, by this Amendment, Applicants have amended claims 1, 5, 9, 13-15, and 17-19. Applicants have canceled claim 6. Claims 1-5 and 7-20 are pending.

Concerning the rejection of claims 15 and 16 under 35 U.S.C. § 101, further to the Examiner's suggestion at the Interview, Applicants have amended claim 15. Accordingly Applicants respectfully request that the Examiner withdraw the rejection of claims 15 and 16 under 35 U.S.C. § 101.

Regarding claim 1, as further agreed upon at the Interview, the cited references, taken alone or in combination, do not teach or suggest an operating system that restricts access to the first file system entity to the nodes communicating over the first channel and that restricts access to the second file system entity to the nodes communicating over the second channel, and one of the nodes that communicates over the first channel that sends a request to access the first file system entity to the operating system, wherein the one node comprises a proc structure accessed to determine that the one communicates over the first channel. Therefore, Applicants respectfully request that the Examiner withdraw the rejection of claim 1 under 35 U.S.C. § 103(a).

Claims 2-5, 7, and 8 depend, directly or indirectly, from claim 1. Therefore, Applicants request allowance of claims 1-5, 7, and 8, as well.

Concerning claim 9, further to the agreement at the Interview, the cited references, taken alone or in combination, do not teach or suggest a method in a distributed system with a network of nodes communicating over channels, including receiving a request from one of the nodes to access a file system entity, the file system entity having an associated authorized one of the channels and determining whether the node communicates over the authorized channel, wherein the node comprises a proc structure accessed to determine that the node communicates over the authorized channel. Therefore, Applicants respectfully request that the Examiner withdraw the rejection of claim 9 under 35 U.S.C. § 103(a).

Claims 10-12 depend from claim 9. Therefore, Applicants request allowance of claims 10-12, as well.

Regarding claim 13, further to the agreement at the Interview, the cited references, taken alone or in combination, do not teach or suggest a distributed system with a network of nodes communicating over channels, including "means for receiving a request from one of the nodes to access a file system entity, the file system entity having an associated authorized one of the channels" and "means for determining whether the node communicates over the authorized channel, wherein the node comprises a proc structure accessed to determine that the node communicates over the authorized channel." Similarly, concerning claim 14, further to the agreement at the Interview, the cited references do not teach or suggest a method in a distributed system with a network having nodes communicating over channels, including "receiving a request from one of the nodes communicating over one of the channels, the request for viewing the file system," and "determining which file system entities in the file system

have an authorized channel as the one channel, wherein the one node comprises a proc structure accessed to determine that the one node communicates over the authorized channel.” Likewise, regarding claim 17, further to the agreement reached at the Interview, the cited references do not teach or suggest a computer-readable medium containing instructions for controlling a distributed system with a network of nodes communicating over channels, including “receiving a request from one of the nodes to access a file system entity, the file system entity having an associated authorized one of the channels,” and “determining whether the node communicates over the authorized channel, wherein the node comprises a proc structure accessed to determine that the node communicates over the authorized channel.” Therefore, Applicants respectfully request that the Examiner allow claims 13, 14, and 17, as well.

Claims 18-20 depend from claim 17 and hence comprise all of the features of the base claim 17. Therefore, Applicants respectfully request that the Examiner allow claims 18-20, as well.

Further, concerning claim 15, further to the agreement at the Interview, the cited references do not teach or suggest a computer-readable memory device encoded with a data structure for use by an operating system in providing channel-specific views of a file system, where the data structure has entries, and where each entry comprises an indication of a file system entity and an indication of a channel that is used by the operating system to restrict access to the file system entity to nodes that communicate over the indicated channel, and wherein each of the nodes comprises a proc structure that includes the indication of the channel that is used by the operating system to

restrict access to the file system entity. Therefore, Applicants respectfully request that the Examiner withdraw the rejection of claim 15 under 35 U.S.C. § 103(a).

Claim 16 depends from claim 15 and hence comprises all of the features of the base claim 15. Therefore, Applicants respectfully request that the Examiner withdraw the rejection of claim 16 under 35 U.S.C. § 103(a) for at least the reasons given above with respect to claim 15.

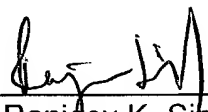
In view of the foregoing amendments and remarks, Applicants respectfully request reconsideration and reexamination of this application and the timely allowance of the pending claims.

Please grant any extensions of time required to enter this response and charge any additional required fees to our deposit account 06-0916.

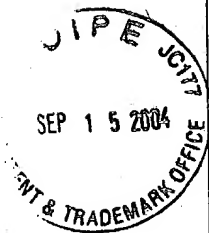
Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: September 15, 2004

By:   
Ranjeev K. Singh  
Reg. No. 47,093

Attachments: Copies of the Supplemental Information Disclosure Statements filed on August 8, 2003, November 5, 2003, December 24, 2003, April 6, 2004, and May 27, 2004, along with the respective PTO-1449 forms, and stamped return post cards.



PATENT  
Customer No. 22,852  
Attorney Docket No. 06502.0287-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Germano CARONNI et al.

Application No.: 09/457,895

Filed: December 10, 1999

For: CHANNEL-SPECIFIC FILE  
SYSTEMS VIEWS IN A PRIVATE  
NETWORK USING A PUBLIC-  
NETWORK INFRASTRUCTURE

)  
)  
) Group Art Unit: 2132  
)  
) Examiner: Joseph M. McArdle  
)  
)

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SEP 16 2004

Technology Center 2100

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p).

Copies of the listed documents, including any copending patent applications, are attached.

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claims in the application and Applicants determine that the cited document do not constitute "prior art" under United States law, Applicants reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: December 24, 2003

By: 

Robert E. Converse, Jr.  
Reg. No. 27,432

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com



SEP 15 2004

# INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

Atty. Docket No.	06502.0287-00000	Appln. No.	09/457,895
Applicant	Germano CARONNI et al. al.		
Filing Date	December 10, 1999	Group:	2132

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	6,134,591	10/17/2000	Nickles			
	6,393,485 B1	05/21/2002	Chao et al.			
	6,453,419 B1	09/17/2002	Flint et al.			
	6,463,470 B1	10/08/2002	Mohaban et al.			

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## FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce



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PLEASE STAMP TO ACKNOWLEDGE RECEIPT OF THE FOLLOWING:

In Re Application of: Germano CARONNI et al.

Application No.: 09/457,895

Group Art Unit: 2132

Filed: December 10, 1999

Examiner: Joseph M. McArdle

For: CHANNEL-SPECIFIC FILE SYSTEM VIEWS IN A PRIVATE NETWORK USING A  
PUBLIC-NETWORK INFRASTRUCTURE

1. Information Disclosure Statement (2 pages);
2. Form PTO 1449 (with attached 4 documents); and
3. Check for \$180.00.

Dated: December 24, 2003

Docket No.: 06502.0287-00

JAB/JAV/jl - MD 920

(Due Date: N/A)



dlm 12/29/03



PATENT  
Customer No. 22,852  
Attorney Docket No. 06502.0287

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Germano CARONNI *et al.*

Application No.: 09/457,895

Filed: December 10, 1999

For: CHANNEL-SPECIFIC FILE  
SYSTEM VIEWS IN A PRIVATE  
NETWORK USING A PUBLIC-  
NETWORK INFRASTRUCTURE

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) Group Art Unit: 2132  
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) Examiner: Joseph M. MCARDLE  
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Technology Center 2100

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97(c)**

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Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: April 6, 2004

By: 

Ranjeev K. Singh  
Reg. No. 47,093

**INFORMATION DISCLOSURE CITATION**

OMB No. 0651-0011

Atty. Docket No. 06502.0287	Appln. No. 09/457,895	<b>RECEIVED</b>
Applicant Germano CARONNI <i>et al.</i>		<b>SEP 16 2004</b>
Filing Date December 10, 1999	Group: 2132	<b>Technology Center 2100</b>

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,144,665	09/01/92	Takaragi et al.	380	30	
	5,241,599	08/31/93	Bellovin et al.	380	21	
	5,748,736	05/05/98	Mittra	380	21	
	6,055,575	04/25/00	Paulsen et al.	709	229	
	6,079,020	06/20/2000	Liu	713	201	
	6,173,399 B1	01/09/01	Gilbrech	713	153	
	6,304,973 B1	10/16/01	Williams	713	201	
	6,484,257 B1	11/19/02	Ellis	713	153	
	6,600,733 B2	07/29/2003	Deng	370	352	
	6,606,708 B1	08/12/2003	Devine et al.	713	201	
	6,631,416 B2	10/07/03	Bendinelli et al.	709	227	

FOREIGN PATENT DOCUMENTS						
Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce



JAB/RKS

**PLEASE STAMP TO ACKNOWLEDGE RECEIPT OF THE FOLLOWING:**

In Re Application of: Germano CARONNI *et al.*

Application No.: 09/457,895

Group Art Unit: 2132

Filed: December 10, 1999

Examiner: Joseph M. MCARDLE

For: CHANNEL-SPECIFIC FILE SYSTEM VIEWS IN A PRIVATE NETWORK USING A  
PUBLIC-NETWORK INFRASTRUCTURE

1. Supplemental Information Disclosure Statement Under 37 C.F.R. § 1.97(c) (2 pages)
2. Form PTO-1449 (1 page) with 11 references listed
3. Check for \$180.00 to cover IDS fee

Dated: April 6, 2004

Docket No.: 06502.0287

Customer No. 22,852

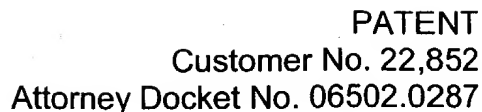
RKSingh

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(Due Date: n/a)

RKS  
9/17/04  
DAB



**In re Application of:**

Germano CARONNI *et al.*

Group Art Unit: 2132

**Application No.: 09/457,895**

Examiner: Joseph M. MCARDLE

Filed: December 10, 1999

# For: CHANNEL-SPECIFIC FILE SYSTEM VIEWS IN A PRIVATE NETWORK USING A PUBLIC- NETWORK INFRASTRUCTURE

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Technology Center 2100

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
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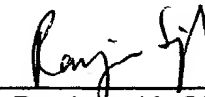
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

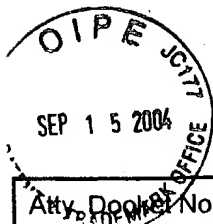
Dated: May 27, 2004

By: \_\_\_\_\_



Ranjeev K. Singh  
Reg. No. 47,093





## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	06502.0287	Appln. No.	09/457,895
Applicant	Germano CARONNI <i>et al.</i>		
Filing Date	December 10, 1999	Group:	2132

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,719,942	02/17/98	Aldred et al.	380	49	
	6,212,633	04/03/01	Levy et al.	713	153	
	6,532,543	03/11/03	Smith et al.	713	201	

## FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce

JAB-RKS



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**PLEASE STAMP TO ACKNOWLEDGE RECEIPT OF THE FOLLOWING:**

In Re Application of: Germano CARONNI *et al.*

Application No.: 09/457,895

Group Art Unit: 2132

Filed: December 10, 1999

Examiner: Joseph M. MCARDLE

For: CHANNEL-SPECIFIC FILE SYSTEM VIEWS IN A PRIVATE NETWORK USING A  
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1. Supplemental Information Disclosure Statement Under 37 C.F.R. § 1.97(c) (2 pages)
2. Form PTO-1449 (1 page) with 3 references listed
3. Check for \$180.00 to cover IDS fee

Dated: May 27, 2004

Docket No.: 06502.0287

Customer No. 22,852

RKSingh

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(Due Date: n/a)

DL-10  
5-2804

PATENT  
Customer No. 22,852  
Attorney Docket No. 06502.0287

material or constitutes "prior art." If the Examiner applies the document as prior art against any claim in the application and applicants determine that the cited document does not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of the document.

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Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: August 8, 2003

By: Ranjev Singh  
Ranjev K. Singh  
Reg. No. 47,093

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Atty. Docket No.: 06502.0287-00000

Application No.: 09/457,895

Applicant: Germano CARONNI et al.

Filing Date: December 10, 1999

Group: 2131

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Technology Center 2100

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	6,377,997 B1	04/23/2002	Hayden	709	231	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Document Number	Date	Country	Class	Sub Class	Translation Yes or No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner

Date Considered:

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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JAB/RKS

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Application No.: 09/457,895

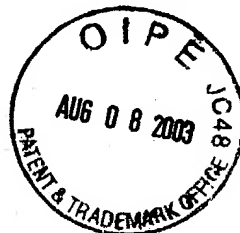
Group Art Unit: 2131

Filed: December 10, 1999

Examiner: HAYES, Gail

For: CHANNEL-SPECIFIC FILE SYSTEM VIEWS IN A PRIVATE NETWORK USING A  
PUBLIC-NETWORK INFRASTRUCTURE

1. Information Disclosure Statement Under 37 C.F.R. § 1.97(b);
2. Form PTO-1449 and one cited reference.



Dated: August 8, 2003

Docket No.: 06502.0287

RKS/mas - Mail Drop-Reston

(Due Date: n/a)

**Please return postcard to Lois Ford/Reston-904A. Thank you.**

JDD-BG-8/11/03

PATENT  
Customer No. 22,852  
Attorney Docket No. 06502.0287

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:**

Germano CARONNI *et al.*

**Application No.: 09/457,895**

Filed: December 10, 1999

**For: CHANNEL-SPECIFIC FILE  
SYSTEM VIEWS IN A PRIVATE  
NETWORK USING A PUBLIC-  
NETWORK INFRASTRUCTURE**

**Group Art Unit: 2132**

Examiner: Joseph M. MCARDLE

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FARABOW  
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DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
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documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claims in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

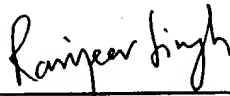
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: November 5, 2003

By:   
Ranjeev K. Singh  
Reg. No. 47,093

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com



## INFORMATION DISCLOSURE CITATION

Atty. Docket No. 06502.0287	Appln. No. 09/457,895	RECEIVED SEP 16 2004 Technology Center 2100
Applicant Germano CARONNI <i>et al.</i>		
Filing Date December 10, 1999	Group: 2132	

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,623,601	04/22/97	Vu	395	187.01	
	5,720,035	02/17/98	Allegre <i>et al.</i>	395	200.06	
	5,732,137	03/24/98	Aziz	380	25	
	5,960,177	09/28/99	Tanno	395	200.59	
	6,061,796	05/09/00	Chen <i>et al.</i>	713	201	
	6,158,011	12/05/00	Chen <i>et al.</i>	713	201	
	6,374,298 B2	04/16/02	Tanno	709	227	
	6,452,925 B1	09/17/02	Sistanizadeh <i>et al.</i>	370	352	
	6,487,600 B1	11/26/02	Lynch	709	229	
	6,505,255 B1	01/07/03	Akatsu <i>et al.</i>	709	239	
	6,557,037 B1	04/29/03	Provino	709	227	
	6,567,405 B1	05/20/03	Borella <i>et al.</i>	370	389	
	6,615,349 B1	09/02/03	Hair	713	165	

## FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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In Re Application of: Germano CARONNI *et al.*

Application No.: 09/457,895

Group Art Unit: 2132

Filed: December 10, 1999

Examiner: Joseph M. MCARDLE

For: CHANNEL-SPECIFIC FILE SYSTEM VIEWS IN A PRIVATE NETWORK USING A  
PUBLIC-NETWORK INFRASTRUCTURE

- 
1. Supplemental Information Disclosure Statement Under 37 C.F.R. § 1.97(c) (2 pages)
  2. Form PTO-1449 (1 page) with 13 cited references
  3. Check for \$180.00 to cover IDS fee

Dated: November 5, 2003

Docket No.: 06502.0287

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